

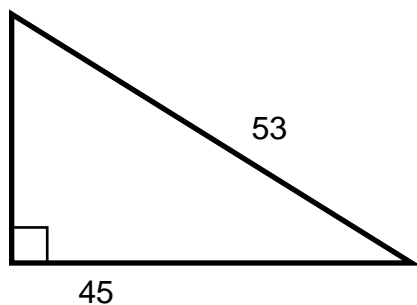
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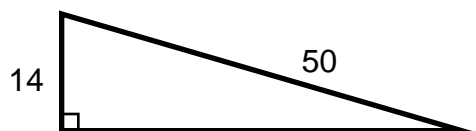
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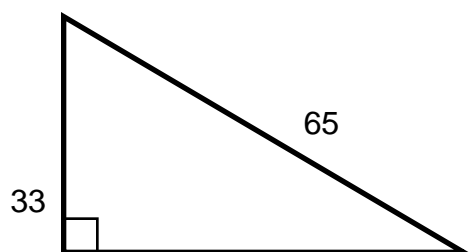
Teacher : _____

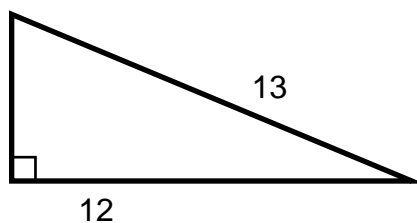
Date : _____

Find the length of the third side of each triangle.







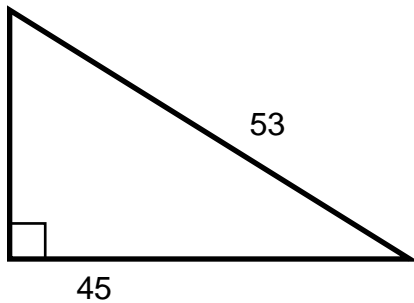


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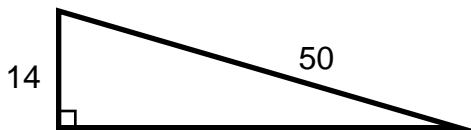
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Teacher : _____

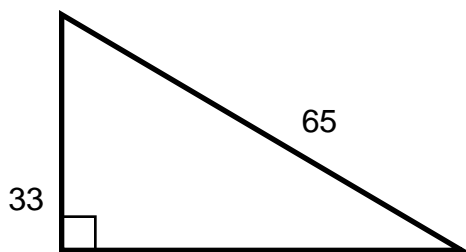
Date : _____

Find the length of the third side of each triangle.

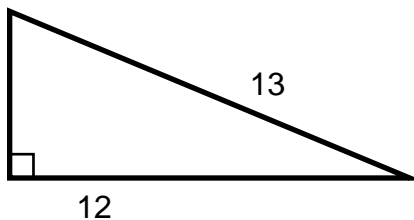
$$\begin{aligned}
 a^2 + 45^2 &= 53^2 \\
 a^2 + 2025 &= 2809 \\
 a^2 &= 2809 - 2025 \\
 a^2 &= 784 \\
 a^2 &= \sqrt{784} \\
 a &= 28
 \end{aligned}$$



$$\begin{aligned}
 14^2 + b^2 &= 50^2 \\
 196 + b^2 &= 2500 \\
 b^2 &= 2500 - 196 \\
 b^2 &= 2304 \\
 b^2 &= \sqrt{2304} \\
 b &= 48
 \end{aligned}$$



$$\begin{aligned}
 33^2 + b^2 &= 65^2 \\
 1089 + b^2 &= 4225 \\
 b^2 &= 4225 - 1089 \\
 b^2 &= 3136 \\
 b^2 &= \sqrt{3136} \\
 b &= 56
 \end{aligned}$$



$$\begin{aligned}
 a^2 + 12^2 &= 13^2 \\
 a^2 + 144 &= 169 \\
 a^2 &= 169 - 144 \\
 a^2 &= 25 \\
 a^2 &= \sqrt{25} \\
 a &= 5
 \end{aligned}$$